

Gladstone Line Study Guide

This study guide contains helpful information for those conductors who will be recertifying or initially certifying on the Gladstone Line.

The Gladstone Line exam is divided into three sections:

Section A - Hoboken to West End

Section B – West End to Summit

Section D- Summit to Gladstone

A LARGE PART OF THIS TEST ARE MAIN TRACK RULES IN EFFECT AND THE STATION PAGE.

This Study Guide took the UTU Local 60 Study Guide and compiled all the info from the books to a full Study Guide of what is on the exam from the Rules Department.

1) SECTION A – Hoboken Terminal to West End

MP	STATION	INT	PS	ADA
0.0	Hoboken		X	X
0.1	Terminal (Note 3)	X		
0.7	East End (Note 3)	X		
2.2	West End (ML) (Note 3)	X		

2) Main Track Rules

RULES	LOCATION	TRACK
INT, CSS	Train Shed Tracks in Hoboken	1-17
ABS, 261, CSS, PTC	Terminal & East End (Note 2)	3,1,2,4,6 & 122
ABS, 261, CSS, PTC	East End & Harrison	3, 1 & 2

3) Maximum Speeds

BETWEEN OR AT	ALL TRACKS
Depot Tracks and Eastward Home signals at Terminal	15/10
Eastward Home signals at Terminal and Eastward Home signals at East End	30/10
Eastward Home signal at East End and West End Lower Hack Interlocking limits **Except West End Wye**	30/15 5/5

- 4) The direction from Hoboken to West End is East to West.
- 5) Terminal Dispatcher controls Hoboken Terminal to Lower Hack.
- 6) Bergen Tunnel maximum authorized speed is 30mph.
- 7) Automatic signals in the Bergen Tunnel are read as High Signal Aspects.
- 8) Depot Tracks 1 and 14 can be accessed on both sides of the platform.
- 9) Hoboken Terminal is 25KV.
- 10) 3 Coaches and an Engine can fit on 1 Depot.
- 11) Main track 122 is NOT WIRED. Tracks 4 and 6 Main ARE.
- 12) Tracks 12 and 13 are the ONLY Tracks that can access 1 Main and 4 Main in Terminal at East End.
- 13) Days Yard is Restricted Speed NOT exceeding 5mph.
- 14) The Stub/Tail Track is located South of 4 Main.
- 15) The Hill yard is located between 2 Main and 4 Main. The Days Yard is located North of the E Route. The Pullman Yard is located South of 122, 6 Main, 4 Main.

1) SECTION B – West End to Summit

MP	STATION	INT	PS	ADA
2.7	Lower Hack (moveable bridge) (note 3)	X		
3.9	Sanfords (INT on tracks 1 & 2 ONLY)	X		
3.9	MMC-ROC (employee stop)		X	
4.3	Meadows	X		
5.7	Kearny JCT (AMTRAK)	X		
7.1	Harrison	X		
7.7	Broad (Moveable Bridge)	X		
7.8	Broad Street		X	X
9.0	Roseville Ave (MC)	X		
9.5	Green	X		
10.1	East Orange		X	X
10.6	Brick Church		X	
11.4	Orange		X	
12.2	Highland Ave		X	
13.1	Mountain Station		X	
13.8	South Orange		X	X
15.1	Maplewood		X	

16.3	Millburn	X		
16.5	Millburn Sta		X	
17.8	Short Hills		X	
20.1	Summit (GS)	X	X	X

2) Main Track Rules

RULES	LOCATION	TRACK
ABS, 261, CSS, PTC	East End and Harrison	3, 1 & 2
INT, CSS, PTC	Kearny JCT and Swift	5 & 6
ABS, 261, CSS, PTC	Meadows and Cape	Single
INT, CSS, PTC	Harrison and Broad	1 & 2
ABS, 261, CSS, PTC	Broad and Roseville Ave	3, 1 & 2
INT, CSS, PTC	Roseville Ave and Green	3,1 & 2
ABS, 261, CSS, PTC	Green and Millburn	1
ABS, 251, CSS, PTC	Green and Millburn	3 & 2
ABS, 261, CSS, PTC	Millburn and Summit	1 & 2

3) Maximum Speeds

Between or at	Single/other	TRK 3	TRK 1	TRK 2
Freight trains in excess of 40 cars must NOT exceed 25mph on ALL TRACKS				
MP 2.7 & MP 6.6		60/15	60/15	60/15
MP 2.7 & MP 6.6 ALP 45 TRAINS ONLY		60/15	60/15	60/15
Meadows & Cape	45/10			
Kearny Jct & Swift TRACK 5 TRACK 6	80/15 70/15			
Kearny Jct Phase Gap TRKS 5 & 6	50/15			
Kearny Jct Crossover TRK 6 to TRK 3 DIVERGING MOVES ONLY	60	60		
MP 6.6 & MP 7.2		55/15	55/15	55/15
MP 7.2 & MP 7.6			30/15	30/15
MP 7.6 & MP 7.8		30/15	30/15	30/15
MP 7.8 & MP 8.9		55/15	55/15	55/15

CV at Roseville Ave Int MP 8.9 & MP 9.1		35/15	35/15	35/15
MP 9.1 & MP 11.9		60/35	60/35	60/35
MP 11.9 & MP 16		60/35	70/35	70/35
MP 13.7 & MP 14		45/35		
MP 15.2 & MP 15.3		55/35		
MP 16 & MP 16.5		60/35	60/35	60/35
MP 16.5 & MP 19.4			50/25	50/25
MP 19.4 & MP 20.1			45/25	45/25
Summit Int- Wall Track	30/25			

- 4) The direction from Dover to NY is West to East.
- 5) The Maximum authorized speed between MP 2.7 (West end of Lower Hack) & MP 6.6 (curve east of Harrison Int.) is 60/15.
- 6) Phase Gaps are located at MP 4.7 at Meadows, MP 4.9 Waterfront (single Track), MP 5.2 Kearny JCT (Tracks 5 & 6) and MP 14.5 Maplewood.
- 7) Sanfords is not a complete interlocking, you CAN NOT crossover from Tracks 3 to 1.
- 8) The maximum authorized speed for Broad Moveable Bridge is 30/15 and the maximum authorized speed for the Curve at Roseville Ave Int is 35/15.
- 9) From North to South at Summit Station the tracks are: 1, 2 and Wall Track.
- 10) At Broad Street East, Millburn East and Summit Station, the Conductor must ENSURE THEY HAVE A PROCEED SIGNAL before signaling the engineer to proceed.

1) Section D – Summit to Gladstone

MP	STATION	INT	PS	ADA
20.1	Summit (ME)	X	X	X
21.0	West Summit (CP)			
21.8	New Providence		X	
23.4	Murray Hill (SDG: 846 feet)	X	X	
25.8	Berkely Heights		X	
27.1	Gillette		X	
28.5	Stirling (SDG: 1143 feet)	X	X	

30.1	Millington		X	
31.0	Lyons Siding (1100 feet)			
31.7	Lyons		X	X
33.6	Basking Ridge		X	
34.8	Bernardsville (SDG: 812 feet)	X	X	
39.0	Far Hills Sta.		X	
39.1	Far Hills (SDG: 727 feet)	X		
41.3	Peapack		X	
41.9	East Gladstone (CP)			
42.2	Gladstone		X	X

2) Main Track Rules

RULES	LOCATION	TRACK
ABS, 261, CSS, PTC	Summit and East Gladstone (Note)	Single

3) Maximum Speeds

Between or at	Single/Other
Summit and East Gladstone	60/30
All Sidings	15/10

- 4) The maximum authorized speeds for the following locations are:
MP 22.4 & MP 23.3 is 45/30
MP 24.6 & MP 25.0 is 40/30
MP 37.9 is 30.
- 5) Rule 121E is in effect at Murray Hill, Stirling and Bernardsville.
- 6) Review TRO 7 for Gladstone Yard Configuration.
- 7) The Hot Box Detector is located at MP 27.8 – Gillette, Single Track, Both Directions –
SI 72-4.
- 8) At Murray Hill, Stirling, Bernardsville (single track only) and Far Hills (west), the Conductor must ENSURE THEY HAVE A PROCEED SIGNAL before signaling the engineer to proceed.
- 9) The Phase Gap is located at MP 29 – Stirling.
- 10) The Track west of East Gladstone is designated a Station Track (review GS-98).